

### **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

#### **Listing of Claims:**

Claims 1 – 5 (cancelled)

Claim 6 (currently amended): A circuit for supplying oxygen to aircraft passengers of an aircraft having a cabin, comprising:

a first pressure sensor adapted to measure ~~a pressure in a~~ the cabin pressure ~~of the aircraft~~;

in a line supplying oxygen connected to a pressurized oxygen source, a second pressure sensor disposed in, and adapted to measure a pressure in, said line;

in the line supplying oxygen connected to a pressurized oxygen source ~~downstream~~ upstream of said second pressure sensor, a servocontrolled pressure regulator that can be actuated in response to a pressure control signal supplied by an electronic control unit based upon signals indicative of pressures sensed by said first and second pressure sensors.

Claim 7 (previously presented): The circuit as claimed in claim 6, wherein the first pressure sensor delivers an absolute pressure signal to the electronic control unit for the generation of said control signal of the regulator.

Claim 8 (original): The circuit as claimed in claim 6, characterized in that it comprises a line bypassing the regulator and provided with a safety solenoid valve.

Claim 9 (original): The circuit as claimed in claim 6, characterized in that the oxygen supply line comprises a downstream connection to an oxygen therapy system.

Claim 10 (original): The circuit as claimed in claim 6, characterized in that the oxygen source comprises at least one pressurized oxygen cylinder.